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<u>NEWS 1</u>		Web Page URLs for STN Seminar Schedule - N. America
<u>NEWS 2</u>		"Ask CAS" for self-help around the clock
<u>NEWS 3</u>	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
<u>NEWS 4</u>	OCT 30	CHEMLIST enhanced with new search and display field
<u>NEWS 5</u>	NOV 03	JAPIO enhanced with IPC 8 features and functionality
<u>NEWS 6</u>	NOV 10	CA/CAPLUS F-Term thesaurus enhanced
<u>NEWS 7</u>	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
<u>NEWS 8</u>	NOV 20	CAS Registry Number crossover limit increased to 300,000 in additional databases
<u>NEWS 9</u>	NOV 20	CA/CAPLUS to MARPAT accession number crossover limit increased to 50,000
<u>NEWS 10</u>	DEC 01	CAS REGISTRY updated with new ambiguity codes
<u>NEWS 11</u>	DEC 11	CAS REGISTRY chemical nomenclature enhanced
<u>NEWS 12</u>	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
<u>NEWS 13</u>	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
<u>NEWS 14</u>	DEC 18	CA/CAPLUS pre-1967 chemical substance index entries enhanced with preparation role
<u>NEWS 15</u>	DEC 18	CA/CAPLUS patent kind codes updated
<u>NEWS 16</u>	DEC 18	MARPAT to CA/CAPLUS accession number crossover limit increased to 50,000
<u>NEWS 17</u>	DEC 18	MEDLINE updated in preparation for 2007 reload
<u>NEWS 18</u>	DEC 27	CA/CAPLUS enhanced with more pre-1907 records
<u>NEWS 19</u>	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
<u>NEWS 20</u>	JAN 16	CA/CAPLUS Company Name Thesaurus enhanced and reloaded
<u>NEWS 21</u>	JAN 16	IPC version 2007.01 thesaurus available on STN
<u>NEWS 22</u>	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
<u>NEWS 23</u>	JAN 22	CA/CAPLUS updated with revised CAS roles
<u>NEWS 24</u>	JAN 22	CA/CAPLUS enhanced with patent applications from India

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

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<u>NEWS LOGIN</u>	Welcome Banner and News Items
<u>NEWS IPC8</u>	For general information regarding STN implementation of IPC 8
<u>NEWS X25</u>	X.25 communication option no longer available

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 22:12:34 ON 26 JAN 2007

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'USPATFULL' ENTERED AT 22:12:44 ON 26 JAN 2007  
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 22:12:44 ON 26 JAN 2007  
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

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=> s (shaving system or shaving stri)
L1      376 (SHAVING SYSTEM OR SHAVING STRI)

=> s (shaving system or shaving strip)
L2      383 (SHAVING SYSTEM OR SHAVING STRIP)

=> s (shaving system or shaving strip)/clm
L3      118 (SHAVING SYSTEM OR SHAVING STRIP)/CLM

=> s (water-sensitive polymer or hydrophillic polymer)
L4      257 (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)

=> s (water-sensitive polymer or hydrophillic polymer)/clm
L5      46 (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)/CLM

=> s (water-insoluble polymer or hydrophobic polymer)
L6      11167 (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)

=> s (water-insoluble polymer or hydrophobic polymer)/clm
L7      2607 (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)/CLM

=> s (chelate? or EDTA or potassium citrate or sodium metasilicate)
L8      193327 (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)

=> s (chelate? or EDTA or potassium citrate or sodium metasilicate) /cl
'CL' IS NOT A VALID FIELD CODE
'CL' IS NOT A VALID FIELD CODE
L9      0 (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)

=> s (chelate? or EDTA or potassium citrate or sodium metasilicate)/clm
L10     18816 (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)/CL
M

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(FILE 'HOME' ENTERED AT 22:12:34 ON 26 JAN 2007)

FILE 'USPATFULL, USPAT2' ENTERED AT 22:12:44 ON 26 JAN 2007

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L1      376 S (SHAVING SYSTEM OR SHAVING STRI)
L2      383 S (SHAVING SYSTEM OR SHAVING STRIP)
L3      118 S (SHAVING SYSTEM OR SHAVING STRIP)/CLM
L4      257 S (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)
L5      46 S (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)/CLM
L6      11167 S (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)
L7      2607 S (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)/CLM
L8      193327 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)
L9      0 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)
L10     18816 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)

=> s 14 and 16 and 18
L11     10 L4 AND L6 AND L8

=> s 12 and 111
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L12 1 L2 AND L11

=&gt; d

L12 ANSWER 1 OF 1 USPATFULL on STN

Full Text	Citing References
AN	2004:177780 USPATFULL
TI	Shaving systems
IN	Anderson, Susan Rae, Pensacola, FL, UNITED STATES Taylor, Thomas H., Guilford, CT, UNITED STATES
PA	Eveready Battery Company, Inc., Westlake, OH (U.S. corporation)
PI	US 2004136944 A1 20040715
AI	US 2003-692247 A1 20031023 (10)
PRAI	US 2002-424361P 20021106 (60)
DT	Utility
FS	APPLICATION
LN.CNT	708
INCL	INCLM: 424/073.000
NCL	NCLM: 424/073.000
IC	[7] ICM A61K007-15 IPCI A61K0007-15 [ICM,7] IPCR B26B0021-00 [I,C*]; B26B0021-44 [I,A]

=&gt; s 12 and 18

L13 7 L2 AND L8

=&gt; d 1-7

L13 ANSWER 1 OF 7 USPATFULL on STN

Full Text	Citing References
AN	2005:119919 USPATFULL
TI	Shaving soap and aftershave gel and methods of use thereof
IN	Mitchell, Jr., Clarence, Nashville, TN, UNITED STATES Sanders, Willard, Old Hickory, TN, UNITED STATES
PA	Mitchell & Sons, LLC, Nashville, TN, UNITED STATES (U.S. corporation)
PI	US 6893631 B1 20050517
AI	US 2002-171150 20020613 (10)
PRAI	US 2001-298222P 20010614 (60)
DT	Utility
FS	GRANTED
LN.CNT	658
INCL	INCLM: 424/073.000 INCLS: 424/401.000
NCL	NCLM: 424/073.000 NCLS: 424/401.000
IC	[7] ICM A61K007-06 ICS A61K007-15 IPCI A61K0007-06 [ICM,7]; A61K0007-15 [ICS,7] IPCR A61K0008-30 [I,C*]; A61K0008-34 [I,A]; A61K0008-36 [I,A]; A61K0008-92 [I,C*]; A61K0008-92 [I,A]; A61Q0009-02 [I,C*]; A61Q0009-02 [I,A]; A61Q0019-00 [I,C*]; A61Q0019-00 [I,A]
EXF	424/73; 424/401
CAS INDEXING IS AVAILABLE FOR THIS PATENT.	

L13 ANSWER 2 OF 7 USPATFULL on STN

Full Text	Citing References
AN	2004:177780 USPATFULL
TI	Shaving systems
IN	Anderson, Susan Rae, Pensacola, FL, UNITED STATES Taylor, Thomas H., Guilford, CT, UNITED STATES
PA	Eveready Battery Company, Inc., Westlake, OH (U.S. corporation)
PI	US 2004136944 A1 20040715
AI	US 2003-692247 A1 20031023 (10)
PRAI	US 2002-424361P 20021106 (60)
DT	Utility
FS	APPLICATION
LN.CNT	708
INCL	INCLM: 424/073.000
NCL	NCLM: 424/073.000
IC	[7] ICM A61K007-15 IPCI A61K0007-15 [ICM,7] IPCR B26B0021-00 [I,C*]; B26B0021-44 [I,A]

L13 ANSWER 3 OF 7 USPATFULL on STN

Full Text	Citing References
AN	2004:120036 USPATFULL
TI	Cosmetic preparations for shaving using a shaving device
IN	Heike, Kerstin, Hamburg, GERMANY, FEDERAL REPUBLIC OF Kaden, Waltraud, Halstenbek, GERMANY, FEDERAL REPUBLIC OF Gohla, Sven, Hamburg, GERMANY, FEDERAL REPUBLIC OF
PA	Beiersdorf AG (non-U.S. corporation) Koninklijke Philips Electronics (non-U.S. corporation)
PI	US 2004091441 A1 20040513
AI	US 2003-443585 A1 20030522 (10)
RLI	Continuation of Ser. No. WO 2001-EP13512, filed on 21 Nov 2001, UNKNOWN
PRAI	DE 2000-10057925 20001122
DT	Utility
FS	APPLICATION
LN.CNT	661
INCL	INCLM: 424/070.130 INCLS: 424/070.240
NCL	NCLM: 424/070.130 NCLS: 424/070.240
IC	[7] ICM A61K007-06 ICS A61K007-11; A61K007-075; A61K007-08 IPCI A61K0007-06 [ICM,7]; A61K0007-11 [ICS,7]; A61K0007-075 [ICS,7]; A61K0007-08 [ICS,7] IPCR A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-30 [I,C*]; A61K0008-37 [I,A]; A61K0008-44 [I,A]; A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61K0008-81 [I,A]; A61K0008-86 [I,A]; A61K0008-92 [I,C*]; A61K0008-92 [I,A]; A61Q0009-02 [I,C*]; A61Q0009-02 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 4 OF 7 USPATFULL on STN

Full Text	Citing References
AN	2003:81443 USPATFULL
TI	Whole body skin enhancement waterless shaving system and gel creams used therein
IN	Armbruster, Joseph M., 2700 NE. 47 St., Lighthouse Point, FL, United

States 33064

Armbruster, Sue B., 2700 NE. 47 St., Lighthouse Point, FL, United States  
33064

PI US 6537534 B1 20030325  
AI US 1995-550002 19951030 (8)  
RLI Continuation-in-part of Ser. No. US 1994-317813, filed on 4 Oct 1994,  
 now abandoned  
 DT Utility  
 FS GRANTED  
 LN.CNT 560  
 INCL INCLM: 424/073.000  
 NCL NCLM: 424/073.000  
 IC [7]  
 ICM A61K007-15  
 IPCI A61K0007-15 [ICM,7]  
 IPCR A61K0008-19 [I,C\*]; A61K0008-26 [I,A]; A61K0008-30 [I,C\*];  
 A61K0008-34 [I,A]; A61K0008-36 [I,A]; A61K0008-37 [I,A];  
 A61K0008-92 [I,C\*]; A61K0008-92 [I,A]; A61Q0009-02 [I,C\*];  
 A61Q0009-02 [I,A]  
 EXF 424/73

L13 ANSWER 5 OF 7 USPATFULL on STN

Full Text	Citing References
AN	2002:262048 USPATFULL
TI	Shaving composition and method
IN	Ruben, Bradley N., 463 First St., #5A, Hoboken, NJ, United States 07030
<u>PI</u>	US 6461599 B1 20021008
<u>AI</u>	US 1994-319131 19941006 (8)
<u>RLI</u>	Continuation-in-part of Ser. No. <u>US 1993-59781</u> , filed on 10 May 1993, now abandoned
DT	Utility
FS	GRANTED
LN.CNT	303
INCL	INCLM: 424/073.000
NCL	NCLM: 424/073.000
IC	[7] ICM A61K007-15 IPCI A61K0007-15 [ICM,7] IPCR A61K0008-04 [I,C*]; A61K0008-04 [I,A]; A61Q0009-02 [I,C*]; A61Q0009-02 [I,A]
EXF	424/73; 424/401; 424/70.1; 514/846; 514/848; 514/844

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 6 OF 7 USPATFULL on STN

Full Text	Citing References
AN	89:86574 USPATFULL
TI	Shaving articles lubricious when wet and compositions therefor
IN	Creasy, Walter S., Bridgewater, NJ, United States Lorenz, Donald H., Basking Ridge, NJ, United States
PA	Hydromer, Inc., Whitehouse, NJ, United States (U.S. corporation)
<u>PI</u>	US 4875287 19891024
<u>AI</u>	US 1986-931399 19861114 (6)
DT	Utility
FS	Granted
LN.CNT	553
INCL	INCLM: 030/034.010 INCLS: 030/090.000; 030/041.000; 525/127.000
NCL	NCLM: 030/034.050

NCLS: 030/041.000; 030/537.000; 525/127.000  
 IC [4]  
 ICM B26B021-44  
 IPCI B26B0021-44 [ICM,4]; B26B0021-00 [ICM,4,C\*]  
 IPCR B26B0021-00 [I,C\*]; B26B0021-44 [I,A]  
 EXF 030/41; 030/90; 428/425.8; 525/127

L13 ANSWER 7 OF 7 USPATFULL on STN

	Full Text	Citing References
AN	89:79698	USPATFULL
TI	Disposable razor using piston movement for dispensing shaving materials	
IN	McComas, James L., 15180 Fern, Boulder Creek, CA, United States 95006	
PI	US 4868982	19890926
AI	US 1988-182132	19880415 (7)
DT	Utility	
FS	Granted	
LN.CNT	459	
INCL	INCLM: 030/041.000	
	INCLS: 030/086.000; 030/090.000	
NCL	NCLM: 030/041.000	
	NCLS: 030/535.000	
IC	[4]	
	ICM B26B021-44	
	IPCI B26B0021-44 [ICM,4]; B26B0021-00 [ICM,4,C*]	
	IPCR B26B0021-00 [I,C*]; B26B0021-44 [I,A]	
EXF	030/41; 030/86; 030/87; 030/90; 220/541	

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(FILE 'HOME' ENTERED AT 22:12:34 ON 26 JAN 2007)

FILE 'USPATFULL, USPAT2' ENTERED AT 22:12:44 ON 26 JAN 2007

L1 376 S (SHAVING SYSTEM OR SHAVING STRI)  
 L2 383 S (SHAVING SYSTEM OR SHAVING STRIP)  
 L3 118 S (SHAVING SYSTEM OR SHAVING STRIP)/CLM  
 L4 257 S (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)  
 L5 46 S (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)/CLM  
 L6 11167 S (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)  
 L7 2607 S (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)/CLM  
 L8 193327 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)  
 L9 0 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)  
 L10 18816 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)  
 L11 10 S L4 AND L6 AND L8  
 L12 1 S L2 AND L11  
 L13 7 S L2 AND L8

=> s 13 and 110

L14 1 L3 AND L10

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L14 ANSWER 1 OF 1 USPATFULL on STN

	Full Text	Citing References
AN	2004:177780	USPATFULL
TI	Shaving systems	
IN	Anderson, Susan Rae, Pensacola, FL, UNITED STATES Taylor, Thomas H., Guilford, CT, UNITED STATES	

PA Eveready Battery Company, Inc., Westlake, OH (U.S. corporation)  
 PI US 2004136944 A1 20040715  
 AI US 2003-692247 A1 20031023 (10)  
 PRAI US 2002-424361P 20021106 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 708  
 INCL INCLM: 424/073.000  
 NCL NCLM: 424/073.000  
 IC [7]  
 ICM A61K007-15  
 IPCI A61K0007-15 [ICM,7]  
 IPCR B26B0021-00 [I,C\*]; B26B0021-44 [I,A]

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L13 ANSWER 1 OF 7 USPATFULL on STN

	Full Text	Citing References
AN	2005:119919	USPATFULL
TI	Shaving soap and aftershave gel and methods of use thereof	
PI	US 6893631	B1 20050517
SUMM	Other shaving systems or methods have also been provided. Examples 15 include U.S. Pat. No. 5,665,340, which discloses a <b>shaving system</b> . Also, U.S. Pat. No. 6,014,975, which discloses a method of shaving, which includes the step of providing a bath comprising. . . 5,403,864 describes a rapidly-acting topical alcohol base anti-microbial composition using Tricolsan and Chloroxylonol. U.S. Pat. No. 5,956,848 discloses a wet <b>shaving system</b> with a polymeric shaving aid composite mounted to the razor as adjacent exposed lengthwise-extending portions.	
SUMM	. . . sulfonate; about 1% to about 25% by weight of lauramide DEA; about 0.1% to about 0.7% by weight of tetrasodium <b>EDTA</b> ; and about 0.05% to about 1.0% by weight of 2-hydroxyl-1,2,3 propanetricarboxylic acid. In certain embodiments, the surfactant package has a. . .	
SUMM		

Ingredient	% by weight
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Ammonium Laureth Sulfate	30-85
Ammonium C <sub>14-16</sub> Olefin Sulfonate	2-60
Lauramide DEA	1-25
Tetrasodium <b>EDTA</b>	0.1-0.7
2-Hydroxyl-1,2,3 Propanetricarboxylic Acid	0.05-1.0

SUMM Tetrasodium **EDTA** (commercially available from Pilot Chemical, 11756 Burke St., Santa Fe Springs, Calif. 90670) acts as a **chelating** agent to improve long term UV stability, and 2-hydroxyl-1,2,3-propanetricarboxylic acid (commercially available from Pilot Chemical, 11756 Burke St., Santa Fe. . .

DETD

Ingredient	weight	% by weight
Ammonium Laureth Sulfate	65.17 grams	65.17
Ammonium C <sub>14-16</sub> Olefin Sulfonate	32.02 grams	32.02
Lauramide DEA	2.25 grams	2.25
Tetrasodium <b>EDTA</b>	0.39 grams	0.39
2-Hydroxyl-1,2,3 Propanetricarboxylic Acid	0.17 grams	0.17

CLM What is claimed is:  
 . . . sulfonate; about 1% to about 25% by weight of lauramide DEA; about 0.1% to about 0.7% by weight of tetrasodium **EDTA**; and about 0.05% to about 1.0% by weight of 2-hydroxyl-1,2,3 propanetricarboxylic acid.

L13 ANSWER 2 OF 7 USPATFULL on STN

	Full Text	Citing References
AN	2004:177780	USPATFULL
TI	Shaving systems	
PI	US 2004136944	A1 20040715
AB	. . . blade member and a skin engaging portion in proximity to the blade member, wherein the skin engaging portion includes a <b>chelating</b> agent capable of reducing the amount of insoluble metal salts in an aqueous liquid containing the insoluble metal salts, e.g., hard water. The <b>chelating</b> agent may be incorporated into a shaving aid strip or into another component of the <b>shaving system</b> , e.g., the leading edge or trailing edge of the shaving head. Alternatively, the <b>chelating</b> agent may be provided as a coating, optionally with water-sensitive polymers, to the skin engaging portion of the <b>shaving system</b> .	
SUMM	[0002] The present invention generally relates to shaving systems, i.e., razors, and more specifically relates to shaving systems which contain <b>chelating</b> agents capable of reducing the amount of insoluble metal salts in aqueous liquids containing insoluble metal salts e.g., water used.	
SUMM	. . . lead to unsightly appearance of the blades and increased shaving discomfort and a decrease in the useful life of the <b>shaving system</b> .	
SUMM	[0006] In accordance with the present invention, improved shaving systems are provided which contain <b>chelating</b> agents capable of reducing the amount of insoluble metal salts in aqueous liquids containing the insoluble metal salts, e.g. hard water. The <b>chelating</b> agent can be present in a shaving aid strip or in another component of the <b>shaving system</b> such as, for example, the shaving head. In a preferred aspect of the invention, the <b>chelating</b> agent can be provided by coextruding the <b>chelating</b> agent with thermoplastic polymers used in the shaving aid strip or other components of the <b>shaving system</b> , or by delivering the <b>chelating</b> agent in a liquid form, i.e., from a reservoir or cavity in the shaving head. Alternatively, in another preferred aspect of the invention, the <b>chelating</b> agent can be provided as a coating such as, for example, as a component in a lubricious polymer coating applied.	
DRWD	[0008] FIG. 1 is a perspective view of a <b>shaving system</b> in accordance with the present invention.	
DETD	[0010] The <b>chelating</b> agents suitable for use in accordance with the present invention include those capable of reducing the amount of insoluble metal salts in the aqueous liquid. The <b>chelating</b> agents include compounds or polymers having at least one functional group capable of forming a <b>chelate</b> with a metal ion of the insoluble metal salt. As used herein, the term " <b>chelate</b> " includes coordination compounds in which a metal ion such as calcium or magnesium is attached by coordinate links to one or more nonmetal atoms in the same molecule (also referred to in the art as ligands). One or more <b>chelating</b> agents can be used in the shaving systems of the present invention.	
DETD	[0011] The particular <b>chelating</b> agents suitable for use in accordance with the present invention are not critical. However, the <b>chelating</b> agents selected should be safe for human use. They may be polymeric or nonpolymeric. When in polymeric form, the <b>chelating</b> agents will typically have a molecular weight from about 300 to 10,000,000 grams per	



gram mole ("g/mol") with a range. . . known to those skilled in the art. One such technique is gel permeation chromatography. Preferably when in polymeric form, the **chelating** agents are compatible with other polymers used in the **shaving system**. That is, the **chelating** agent can be coextruded with other polymers used in the **shaving system**, e.g., polyethylene oxide or polystyrene, and form a reasonably homogenous blend. Quite advantageously, in accordance with the present invention, the **chelating** agent can be provided as a separate polymer, i.e., in addition to the other polymers used in the **shaving system**, or **chelating** functionality can be added to one of the other polymers used in the **shaving system**, e.g., the water-sensitive polymers or water-insoluble polymers (hereinafter described). For example, other polymers typically used in the **shaving system**, e.g., polymers used to provide lubricity or structural rigidity, can be derivitized to contain the **chelating** functionality. Alternatively, monomers containing the desired **chelating** functionality can be copolymerized with other monomers used in the **shaving system** to obtain the desired polymer.

DETD [0012] Typical **chelating** agents suitable for use in accordance with the present invention may contain one or more of the following functional groups: sulfonates, phosphates, phosphines, phosphites, carboxylic acids, amines and silicates. Examples of **chelating** agents include ethylenediaminetetracetic acid ("**EDTA**"), nitritotriacetic acid, ethylene glycol-bis-( $\beta$ -aminoethyl ether)-N,N-tetraacetic acid, (ethlenedioxy)-diethylene-dinitrilo-tetra-acetic acid, salicylaldoxime, quinolinol, diaminocyclohexane-tetra-acetic acid, diethylene-triamino-penta-acetic acid, dimethylglyoxime, benzoin oxime, triethylenetriamine, desferrioxamine calcium disodium **EDTA**, dipotassium **EDTA**, disodium **EDTA**, methyl cyclodextrin, pentenic acid, **potassium citrate**, sodium citrate, sodium gluconate, **sodium metasilicate**, tetrasodium **EDTA**, trisodium **EDTA** and poly(sodium 4-styrenesulfonate). Further examples of **chelating** agents are described, for example, in U.S. Pat. No. 5,487,884 issued Jan. 30, 1996, U.S. Pat. No. 5,741,945 issued Apr..

DETD [0013] Preferred **chelating** agents for use in accordance with the present invention have functional groups selected from the group consisting of ( $--SO_x^-Y$ ) ( $Z+w$ ), . . . any alkyl, aryl or aryl alkyl group, Z is any cation(s) and w is 1, 2, 3 or 4. Preferred **chelating** agents include calcium disodium **EDTA**, dipotassium **EDTA**, disodium **EDTA**, methyl cyclodextrin, pentenic acid, **potassium citrate**, sodium citrate, sodium gluconate, **sodium metasilicate**, tetrasodium **EDTA**, trisodium **EDTA**, poly(sodium 4-styrenesulfonate). An especially preferred **chelating** agent is poly(sodium 4-styrenesulfonate).

DETD [0014] Preferably, the **chelating** agents suitable for use and in accordance with the present invention are effective to reduce the amount of insoluble metal. . .

DETD [0015] Further details concerning the selection of suitable **chelating** agents can be determined by those skilled in the art.

DETD [0017] Referring to FIG. 1, a **shaving system** 10 is provided which includes a shaving head 11 including a skin engaging portion 12 in which three blade members. . . handle and cartridge are disposed of together as a unit after one or more uses. As used herein, the term "**shaving system**" is intended to include both types of shaving heads.

DETD [0018] The **shaving system** components, e.g., shaving head 11 or shaving aid strip 14, are typically comprised of one or more thermoplastic water-insoluble polymers which provide structural integrity to the **shaving system**. The particular water-insoluble polymers are not critical to the present invention. Examples of suitable water-insoluble polymers for use in the. . . polyacetal,

acrylonitrile-butadiene-styrene copolymer, ethylene vinyl acetate copolymer, polyurethanes and mixtures thereof. Typically, when water-insoluble polymers are present in the various **shaving system** components, they are present in an amount of at least 5 weight percent, preferably from about 10 to 100 weight percent, and more preferably from about 20 to 50 weight percent, based upon the total weight of the **shaving system** component. Suitable water-insoluble polymers are commercially available. Further details concerning the selection and amounts of the water-insoluble polymers are known. . . .

DETD [0023] Typically, when water-sensitive polymers are utilized in the various **shaving system** components, they are present in an amount of from about 1 to 100 percent, preferably from about 10 to 90 weight percent and more preferably from about 50 to 80 weight percent, based on the total weight of **shaving system** component. Suitable water-sensitive polymers are commercially available. Further details concerning the selection and amount of the water-sensitive polymers, including blends. . . .

DETD [0024] **Shaving system** components of the present invention may be fabricated by any appropriate method, including, for example, injection molding and extrusion. For. . . .

DETD . . . constant. Under a bath of cool dry air, the molten material is cooled until no longer pliable. Once cooled, the **shaving system** component can be further processed as desired.

DETD [0027] In a preferred aspect of the invention, the **chelating** agent is provided to an internal portion of a **shaving system** component, e.g., the guard or cap of the shaving head or the shaving aid strip, by blending and coextruding the **chelating** agent with the polymers used to make the **shaving system** component. For example, in the manufacture of a shaving head, poly(sodium 4-styrene sulfonate) may be blended with polystyrene and extruded to form the housing of the shaving head. When the **chelating** agent is provided to an internal portion of the **shaving system** component, it is typically provided in an amount of from about 0.1 to 10 weight percent, preferably from about 0.5. . . . to 6 weight percent, more preferably from about 1 to 4 weight percent, based on the total weight of the **shaving system** component. Alternatively, the skin engaging portion of the shaving head may be provided with a reservoir or cavity containing a liquid which comprises the **chelating** agent and optionally other conventional shaving aid ingredients (further described below). The liquid may be delivered through holes in the shaving head such as disclosed in U.S. Pat. No. 6,298,558, issued Oct. 9, 2001. In such cases where the **chelating** agent is subject to extrusion or other molding conditions, it is preferred that the **chelating** agent has a decomposition temperature which is higher than the processing temperature. Preferably, the **chelating** agents of the present invention have a decomposition temperature of at least 150° C., more preferably at least about 200°. . . . C. and most preferably at least about 250° C. Thus, in this aspect of the invention, there is provided a **shaving system** component comprising a solid polymeric element having an outer surface and an internal portion, the polymeric element comprising: (i) at least one of a water-sensitive polymer and (ii) a water-insoluble polymer; and the **chelating** agent.

DETD [0028] In an especially preferred aspect of the invention, the **chelating** agent is provided in conjunction with a shaving aid strip. Typically, the shaving aid strip is fixed in an opening. . . . about 0.5 to 6 weight percent and more preferably from about 1 to 4 weight percent of one or more **chelating** agents, based on the total weight of the shaving aid strip.

DETD [0030] In another aspect of the invention, the **chelating** agent is provided as a coating to at least a portion of the skin engaging portion

of the **shaving system**. Advantageously, the **chelating agent** can be included with water-sensitive polymers to provide a lubricious-when-wet coating to the shaving device. As used herein the. . . 1989; U.S. Pat No. 5,620,738 issued Apr. 15, 1997 and U.S. Pat. No. 5,091,205 issued Feb. 25, 1992. When the **chelating agent** is provided to the **shaving system** as a coating, it is typically present in an amount of from about 0.1 to 10.0 weight percent, preferably from. . . of about 1.0 weight percent to 4.0 weight percent, based on the total weight of solids, i.e. polymers plus the **chelating agent**, in the coating liquid. When the **chelating agent** is applied in the form of a coating, the decomposition temperature of the **chelating agent** is not significant, as it is in the case when the **chelating agent** is coextruded with other polymers which comprise the **shaving system** component.

DETD . . . and are not intended to limit the scope of the claims which follow. The experiments demonstrate the ability of a **chelating agent** (PSSNa) to complex with metal ions of an insoluble metal salt (calcium carbonate) of an aqueous liquid containing the salt in accordance with the present invention. Those skilled in the art can select other **chelating agents** for the particular insoluble salts to be removed by following the examples set forth below. The following chemical products.

DETD [0032] This experiment demonstrates the ability of a **chelating agent** to complex with metal ions in water. In twelve separate beakers, one gram of  $\text{CaCO}_3$  was added to each. . . excess of insoluble metal salt. The beakers were separated into four groups of three beakers. In the first group, no **chelating agent** was added. In the second group 1.000 g of PSSNa was added to each of the three beakers. In. . .

DETD . . . includes aspects wherein more than one shaving aid strip is provided and at least one shaving aid strip comprises the **chelating agent**. In addition, the invention includes an aspect wherein a shaving aid strip is provided which does not contain a **chelating agent**, instead the **chelating agent** may be provided in another portion of the skin engaging portion of the **shaving system**. Also, it is noted that all documents referenced herein are incorporated by reference as if set out in full.

CLM What is claimed is:

1. A **shaving system** comprising a blade member and a skin engaging portion in proximity to the blade member, the skin engaging portion including a **chelating agent** capable of reducing the amount of an insoluble metal salt in an aqueous liquid containing the insoluble metal salt.

2. The **shaving system** of claim 1 wherein the skin engaging portion comprises at least one of a water-sensitive polymer and a water-insoluble polymer.

3. The **shaving system** of claim 1 wherein the skin engaging portion includes a solid polymeric shaving aid strip comprising a water-sensitive polymer and the **chelating agent**.

4. The **shaving system** of claim 1 wherein the **chelating agent** is a polymer having a functional group capable of forming a **chelate** with a metal ion of the insoluble metal salt.

5. The **shaving system** of claim 1 wherein the **chelating agent** is a non-polymer.

6. The **shaving system** of claim 1 wherein the skin engaging portion has a reservoir containing a liquid, said liquid comprising the **chelating agent**.

7. The **shaving system** of claim 1 wherein the **chelating agent** has a decomposition temperature of at least about 150° C.
8. The **shaving system** of claim 1 wherein the **chelating agent** has a decomposition temperature of at least about 200° C.
9. The **shaving system** of claim 1 wherein the **chelating agent** has a functional group selected from the group consisting of  
 $(--SO_x^-Y) (Z+w)$ ,  $(--PO_x^-Y) (Z+w)$ ,  
 $(R--COO^-Y) (Z+x)$ , where x is. . .
10. The **shaving system** of claim 1 wherein the **chelating agent** is selected from the group consisting of **EDTA**, calcium disodium **EDTA**, dipotassium **EDTA**, disodium **EDTA**, methyl cyclodextrin, pentenic acid, **potassium citrate**, sodium citrate, sodium gluconate, **sodium metasilicate**, tetrasodium **EDTA**, trisodium **EDTA**, poly(sodium 4-styrenesulfonate) and mixtures thereof.
11. The **shaving system** of claim 10 wherein the **chelating agent** is poly(sodium 4-styrenesulfonate).
12. A **shaving system** component comprising a polymeric element having an outer surface and an internal portion, the polymeric element comprising; (i) at least one of a water-sensitive polymer and (ii) a water-insoluble polymer, and a **chelating agent** capable of reducing the amount of an insoluble metal salt from an aqueous liquid containing the insoluble metal salt.
13. The **shaving system** component of claim 12 wherein at least one of the water-sensitive polymer or the water-insoluble polymer has a functional group capable of forming a **chelate** with a metal ion of the insoluble metal salt.
14. The **shaving system** component of claim 12 wherein the **chelating agent** is a polymer, different from the water-sensitive polymer and the water-insoluble polymer, having a functional group capable of forming a **chelate** with a metal ion of the insoluble metal salt.
15. The **shaving system** component of claim 12 wherein the **chelating agent** is provided as a coating on the outer surface of the **shaving system** component.
16. The **shaving system** component of claim 12 wherein the **chelating agent** is provided in the internal portion of the **shaving system** component.
17. The **shaving system** component of claim 16 wherein the **chelating agent** has a decomposition temperature of at least 150° C.
18. A shaving aid strip comprising a water-sensitive polymer and a **chelating agent**.  
. . . wherein at least one of the water-sensitive polymer or the water-insoluble polymer has a functional group capable of forming a **chelate** with a metal ion of the insoluble metal salt.
23. The shaving aid strip of claim 20 wherein the **chelating agent** is a polymer, different from the water-sensitive polymer and the water-insoluble polymer, having a functional group capable of forming a **chelate** with a metal ion of the insoluble metal salt.

24. The shaving aid strip of claim 18 wherein **chelating** agent has a decomposition temperature of at least about 150° C.

25. The shaving aid strip of claim 18, which comprises from about 0.1 to 10 weight percent of the **chelating** agent based on the total weight of the shaving aid strip.

26. The shaving aid strip of claim 18 which comprises from about 0.5 to 6 weight percent of the **chelating** agent based on the total weight of the shaving aid strip.

L13 ANSWER 3 OF 7 USPATFULL on STN

	Full Text	Citing References
AN	2004:120036	USPATFULL
TI	Cosmetic preparations for shaving using a shaving device	
PI	US 2004091441	A1 20040513
SUMM	[0010] WO98/08659 describes a <b>shaving system</b> which comprises an electric shaver and a container. The shaver comprises a shaving head and a hair-collecting chamber which can. . .	
SUMM	[0012] WO98/47474 describes, for example, a shaving liquid for a <b>shaving system</b> which comprises water as the main constituent, and also customary additives and a surface-active agent, where the shaving liquid is. . .	
DETD	[0116] Complexing agents, in particular <b>chelating</b> agents, form complexes with metal atoms. In the presence of one or more polybasic complexing agents, i.e. <b>chelating</b> agents, these complexes are metallocycles. <b>Chelates</b> are compounds in which a single ligand occupies more than one coordination site on a central atom. In this case,. . . number of bonded ligands depends on the coordination number of the central metal. A prerequisite for the formation of the <b>chelate</b> is that the compound reacting with the metal contains two or more atomic groups which act as electron donors.	
DETD	. . . acid and anions thereof, citric acid and anions thereof, aminopolycarboxylic acids and anions thereof (such as, for example, ethylenediaminetetraacetic acid ( <b>EDTA</b> ) and anions thereof, nitrilotriacetic acid (NTA) and anions thereof, hydroxyethylenediaminotriacetic acid (HOEDTA) and anions thereof, diethyleneaminopentaacetic acid (DPTA) and anions. . .	

L13 ANSWER 4 OF 7 USPATFULL on STN

	Full Text	Citing References
AN	2003:81443	USPATFULL
TI	Whole body skin enhancement waterless <b>shaving system</b> and gel creams used therein	
PI	US 6537534	B1 20030325
TI	Whole body skin enhancement waterless <b>shaving system</b> and gel creams used therein	
AB	A waterless <b>shaving system</b> including a method of shavings consisting of the steps of applying a shaving product in the form of a thin. . .	
PARN	This application is a continuation-in-part of our copending application U.S. Ser. No. 08/317,813 for RESILIENT WATERLESS <b>SHAVING SYSTEM</b> AND GEL CREAMS USED THEREIN filed Oct. 4, 1994 now abandoned.	
SUMM	The present invention generally relates to a waterless <b>shaving system</b> in which a shaving product in the form of a gel cream and a blade razor are utilized. In this. . .	
SUMM	An object of the present invention is to provide a <b>shaving system</b> and gel creams used in the system which are applied to dry, unwetted	

skin which enables the hair to remain. . . .

SUMM Another object of the invention is to provide a **shaving system** and gel creams which are clear/translucent in order to enable observation of pimples, moles, skin blemishes or the like when. . . .

SUMM A further object of the invention is to provide a **shaving system** and gel creams in accordance with the preceding objects in which the gel creams include lubricating properties to prevent "dry". . . .

SUMM Still another object of the invention is to provide a **shaving system** and gel creams in which the gel creams have a consistency or viscosity to avoid clogging the razor blade cartridge. . . .

SUMM A still further object of the invention is to provide a **shaving system** and gel cream in which the light residual gel cream remaining on the skin area after shaving is not washed. . . .

SUMM Still another significant feature of the present invention is to provide a **shaving system** and gel creams that enable women to shave skin areas in any desired location thereby eliminating the hazards of a. . . .

SUMM Yet another object of this invention is to provide a **shaving system** and gel creams in which the gel cream is applied prior to shaving to the dry skin surface by placing. . . .

SUMM Another significant use area of the **shaving system** and gel creams is in hospitals, nursing homes and similar institutions which facilitates blade shaving in bed by avoiding the. . . .

DETD The **shaving system** and gel creams of the present invention are especially beneficial when used with resilient razors disclosed in co-pending applications Ser.. . . in the above co-pending applications is incorporated herein by reference thereto. The gel creams developed for use in the waterless **shaving system** are identified as "CL35" and include ten formulas or examples as follows:

DETD . . . .

Methylparaben .005-.25%

Propylparaben .005-.25%

Carbomer 934 .01-3%

Dimethicone .01-3%

D&C Yellow 10 .0001-.1%

Disodium **EDTA** .002-.5%

Propylene Glycol .05-5%

Vitamin A Acetate .05-.5%

Aloe Vera Gel 1-5%

Vitamin E Acetate .1-5%

DETD . . . .

Methylparaben .005-.25%

Propylparaben .005-.25%

Carbomer 934 .01-3%

Dimethicone .01-3%

D&C Yellow 10 .0001-.1%

Disodium **EDTA** .002-.5%

Propylene Glycol .05-5%

Vitamin A Acetate .05-.5%

Aloe Vera Gel 1-5%

Vitamin E Acetate .1-5%

DETD . . . .

Methylparaben .005-.25%

Propylparaben .005-.25%

Carbomer 934 .01-3%

Dimethicone .01-3%

D&C Yellow 10 .0001-.1%

Disodium **EDTA** .002-.5%

Propylene Glycol .05-5%  
 Vitamin A Acetate .05-.5%  
 Aloe Vera Gel 1-5%  
 Vitamin E Acetate .1-5%

DETD

Methylparaben .005-.25%  
 Propylparaben .005-.25%  
 Carbomer 934 .01-3%  
 Dimethicone .01-3%  
 D&C Yellow 10 .0001-.1%  
 Disodium **EDTA** .002-.5%  
 Propylene Glycol .05-5%  
 Aloe Vera Gel 1-5%  
 Vitamin A Acetate .05-.5%  
 Vitamin E Acetate .1-5%

DETD

Methylparaben .005-.25%  
 Propylparaben .005-.25%  
 Carbomer 934 .01-3%  
 Dimethicone .01-3%  
 D&C Yellow 10 .0001-.1%  
 Disodium **EDTA** .002-.5%  
 Propylene Glycol .05-5%  
 Vitamin A Acetate .05-.5%  
 Aloe Vera Gel 1-5%  
 Vitamin E Acetate .1-5%

DETD

Methylparaben .005-.25%  
 Propylparaben .005-.25%  
 Carbomer 934 .01-3%  
 Dimethicone .01-3%  
 D&C Yellow 10 .0001-.1%  
 Disodium **EDTA** .002-.5%  
 Propylene Glycol .05-5%  
 Vitamin A Acetate .05-.5%  
 Aloe Vera Gel 1-5%  
 Vitamin E Acetate .1-5%

DETD

Methylparaben .005-.25%  
 Propylparaben .005-.25%  
 Carbomer 934 .01-3%  
 Dimethicone .01-3%  
 D&C Yellow 10 .0001-.1%  
 Disodium **EDTA** .002-.5%  
 Propylene Glycol .05-5%  
 Vitamin A Acetate .05-.5%  
 Aloe Vera Gel 1-5%  
 Vitamin E Acetate .1-5%

DETD

Methylparaben .005-.25%  
 Propylparaben .005-.25%  
 Carbomer 934 .01-3%  
 Dimethicone .01-3%  
 D&C Yellow 10 .0001-.1%  
 Disodium **EDTA** .002-.5%

Propylene Glycol .05-5%  
 Aloe Vera Gel 1-5%  
 Vitamin E Acetate .1-5%  
 Vitamin C .1-3%  
 Vitamin. . . .

## DETD

Methylparaben .005-.25%  
 Propylparaben .005-.25%  
 Carbomer 934 .01-3%  
 Dimethicone .01-5%  
 D&C Yellow 10 .0001-.1%  
 Disodium **EDTA** .002-.5%  
 Propylene Glycol .05-5%  
 DiHydroxyacetone 1-8%  
 Aloe Vera Gel 1-5%  
 Vitamine A Acetate .1-.3%  
 Vitamine E Acetate 2-5%

## DETD

Methylparaben .005-.25%  
 Propylparaben .005-.25%  
 Carbomer 934 .01-3%  
 Dimethicone .01-8%  
 D&C Yellow 10 .0001-.1%  
 Disodium **EDTA** .002-.5%  
 Propylene Glycol .05-5%  
 DiHydroxyacetone 1-8%  
 Aloe Vera Gel 1-5%  
 Vitamine A Acetate .1-.3%  
 Vitamine E Acetate 2-5%

CLM What is claimed is:

Methylparaben .005-.25%  
 Propylparaben .005-.25%  
 Carbomer 934 .01-3%  
 Dimethicone .01-3%  
 D&C Yellow 10 .0001-.1%  
 Disodium **EDTA** .002-.5%  
 Propylene Glycol .05-5%  
 Vitamin A Acetate .05-.5%  
 Aloe Vera Gel 1-5%  
 Vitamin E Acetate .1-5%

Methylparaben .005-.25%  
 Propylparaben .005-.25%  
 Carbomer 934 .01-3%  
 Dimethicone .01-3%  
 D&C Yellow 10 .0001-.1%  
 Disodium **EDTA** .002-.5%  
 Propylene Glycol .05-5%  
 Vitamin A Acetate .05-.5%  
 Aloe Vera Gel 1-5%  
 Vitamin E Acetate .1-5%

Methylparaben .005-.25%  
 Propylparaben .005-.25%  
 Carbomer 934 .01-3%



Dimethicone .01-3%  
D&C Yellow 10 .0001-.1%  
Disodium **EDTA** .002-.5%  
Propylene Glycol .05-5%  
Vitamin A Acetate .05-.5%  
Aloe Vera Gel 1-5%  
Vitamin E Acetate .1-5%

Methylparaben .005-.25%  
Propylparaben .005-.25%  
Carbomer 934 .01-3%  
Dimethicone .01-3%  
D&C Yellow 10 .0001-.1%  
Disodium **EDTA** .002-.5%  
Propylene Glycol .05-5%  
Aloe Vera Gel 1-5%  
Vitamin A Acetate .05-.5%  
Vitamin E Acetate .1-5%

Methylparaben .005-.25%  
Propylparaben .005-.25%  
Carbomer 934 .01-3%  
Dimethicone .01-3%  
D&C Yellow 10 .0001-.1%  
Disodium **EDTA** .002-.5%  
Propylene Glycol .05-5%  
Vitamin A Acetate .05-.5%  
Aloe Vera Gel 1-5%  
Vitamin E Acetate .1-5%

Methylparaben .005-.25%  
Propylparaben .005-.25%  
Carbomer 934 .01-3%  
Dimethicone .01-3%  
D&C Yellow 10 .0001-.1%  
Disodium **EDTA** .002-.5%  
Propylene Glycol .05-5%  
Vitamin A Acetate .05-.5%  
Aloe Vera Gel 1-5%  
Vitamin E Acetate .1-5%

Methylparaben .005-.25%  
Propylparaben .005-.25%  
Carbomer 934 .01-3%  
Dimethicone .01-3%  
D&C Yellow 10 .0001-.1%  
Disodium **EDTA** .002-.5%  
Propylene Glycol .05-5%  
Vitamin A Acetate .05-.5%  
Aloe Vera Gel 1-5%  
Vitamin E Acetate .1-5%

Methylparaben .005-.25%  
Propylparaben .005-.25%  
Carbomer 934 .01-3%

Dimethicone .01-3%  
 D&C Yellow 10 .0001-.1%  
 Disodium **EDTA** .002-.5%  
 Propylene Glycol .05-5%  
 Aloe Vera Gel 1-5%  
 Vitamin E Acetate .1-5%  
 Vitamin C .1-3%  
 Vitamin. . .

Methylparaben .005-.25%  
 Propylparaben .005-.25%  
 Carbomer 934 .01-3%  
 Dimethicone .01-5%  
 D&C Yellow 10 .0001-.1%  
 Disodium **EDTA** .002-.5%  
 Propylene Glycol .05-5%  
 DiHydroxyacetone 1-8%  
 Aloe Vera Gel 1-5%  
 Vitamine A Acetate .1-.3%  
 Vitamine E Acetate 2-5%

Methylparaben .005-.25%  
 Propylparaben .005-.25%  
 Carbomer 934 .01-3%  
 Dimethicone .01-8%  
 D&C Yellow 10 .0001-.1%  
 Disodium **EDTA** .002-.5%  
 Propylene Glycol .05-5%  
 DiHydroxyacetone 1-8%  
 Aloe Vera Gel 1-5%  
 Vitamine A Acetate .1-.3%  
 Vitamine E Acetate 2-5%

L13 ANSWER 5 OF 7 USPATFULL on STN

Full Text	Citing References
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AN 2002:262048 USPATFULL

TI Shaving composition and method

PI US 6461599 B1 20021008

SUMM In any **shaving system**, and particularly those which extend the hair prior to cutting, there is a likelihood that the cut hair will reside.

DETD . . . palmitic acid, PPG-11 stearyl ether, coconut acid, aloe vera gel, palm oil glyceride, lanolin, propylene glycol dicaprylate/dicaprate, cetyl alcohol, fragrance, **sodium metasilicate**, trisodium **EDTA**, propane, and coloring. (Available from Noxell Corporation, Hunt Valley, Md., as Medicated NOXEMA Aloe & Lanolin Shave cream.) A shaving.

DETD . . . formulation with the addition of abrasive particles. The composition may also include ingredients such as stearic acid, sodium lauryl sulfate, **EDTA**, and the like to aid in desquamation and exfoliation, as well as other conventionally added ingredients as in the compositions.

L13 ANSWER 6 OF 7 USPATFULL on STN

Full Text	Citing References
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AN 89:86574 USPATFULL

TI Shaving articles lubricious when wet and compositions therefor  
 PI US 4875287 19891024  
 DETD . . . to FIG. 1 there can be seen a razor cartridge 10 of the type used in shaving instruments in a wet-shaving system. Conventionally, the razor cartridge 10 includes a blade cap 12 which fits cooperatively with a blade seat 14 to hold. . .  
 DETD . . . and inorganic salts, alcohols, amines, acids, polymer latices, resin or wax dispersions, fillers, fibers, cellulose, surfactants, pigments, dyes, enzymes, proteins, **chelates**, thickeners, stabilizers, dyes, fragrances, and so forth. The blends of this invention are especially useful as carriers for a wide. . .

L13 ANSWER 7 OF 7 USPATFULL on STN

	Full Text	Citing References
AN	89:79698	USPATFULL
TI	Disposable razor using piston movement for dispensing shaving materials	
PI	US 4868982	19890926
SUMM	. . . and comprises of water, increased amounts of stearic acid, coconut oil, potassium hydroxide, propylene glycol, sodium lauryl sulfoacetate, fragrance, and <b>sodium metasilicate</b> . Active ingredients include camphor, phenol (less than 1/2%), menthol, eucalyptus oil, clove oil, and peppermint oil.	
SUMM	. . . a common occurrence when handled with wet, soapy hands. Accordingly, there is a need for a simple, cheap-to-manufacture, single use, <b>shaving system</b> that is lightweight, disposable, portable, non-bulky, and contains in a single package all that is needed for shaving.	

=> s (shaving strip or lubric? strip)  
 L15 228 (SHAVING STRIP OR LUBRIC? STRIP)

=> d his

(FILE 'HOME' ENTERED AT 22:12:34 ON 26 JAN 2007)

FILE 'USPATFULL, USPAT2' ENTERED AT 22:12:44 ON 26 JAN 2007

L1 376 S (SHAVING SYSTEM OR SHAVING STRI)  
 L2 383 S (SHAVING SYSTEM OR SHAVING STRIP)  
 L3 118 S (SHAVING SYSTEM OR SHAVING STRIP)/CLM  
 L4 257 S (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)  
 L5 46 S (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)/CLM  
 L6 11167 S (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)  
 L7 2607 S (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)/CLM  
 L8 193327 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)  
 L9 0 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)  
 L10 18816 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)  
 L11 10 S L4 AND L6 AND L8  
 L12 1 S L2 AND L11  
 L13 7 S L2 AND L8  
 L14 1 S L3 AND L10  
 L15 228 S (SHAVING STRIP OR LUBRIC? STRIP)

=> s 18 and 115  
 L16 4 L8 AND L15

=> d 1-4

L16 ANSWER 1 OF 4 USPATFULL on STN

Full Text	Citing References
AN	2006:188566 USPATFULL
TI	Crosslinked siloxane composite overcoat for photoreceptors
IN	Qi, Yu, Oakville, CANADA Hu, Nan-Xing, Oakville, CANADA Bender, Timothy P., Mississauga, CANADA Gagnon, Yvan, Mississauga, CANADA Graham, John, Oakville, CANADA Hsiao, Cheng-Kuo, Mississauga, CANADA Hor, Ah-Mee, Mississauga, CANADA
PA	XEROX CORPORATION, Stamford, CT, UNITED STATES (U.S. corporation)
PI	US 2006160002 A1 20060720
AI	US 2005-34713 A1 20050114 (11)
DT	Utility
FS	APPLICATION
LN.CNT	1049
INCL	INCLM: 430/058.200 INCLS: 430/066.000
NCL	NCLM: 430/058.200 NCLS: 430/066.000
IC	IPCI G03G0005-147 [I,A]; G03G0005-047 [I,A]; G03G0005-043 [I,C*] IPCR G03G0005-147 [I,A]; G03G0005-043 [I,C]; G03G0005-047 [I,A]; G03G0005-147 [I,C]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 2 OF 4 USPATFULL on STN

Full Text	Citing References
AN	2006:168219 USPATFULL
TI	Variable curve catheter
IN	Karmarkar, Parag, Columbia, MD, UNITED STATES Lederman, Robert J, Chevy Chase, MD, UNITED STATES
PI	US 2006142732 A1 20060629
AI	US 2003-534362 A1 20031114 (10) WO 2003-US36210 20031114 20051107 PCT 371 date
PRAI	US 2002-60426542 20021115
DT	Utility
FS	APPLICATION
LN.CNT	530
INCL	INCLM: 604/508.000 INCLS: 604/095.010
NCL	NCLM: 604/508.000 NCLS: 604/095.010
IC	IPCI A61M0031-00 [I,A] IPCR A61M0031-00 [I,A]; A61M0031-00 [I,C]

L16 ANSWER 3 OF 4 USPATFULL on STN

Full Text	Citing References
AN	2005:146563 USPATFULL
TI	Hydrophobically modified polysaccharide in personal care products
IN	Modi, Jashawant J., Hockessin, DE, UNITED STATES
PA	Hercules Incorporated, Wilmington, DE, UNITED STATES (U.S. corporation)
PI	US 6905694 B1 20050614
AI	US 1997-855779 19970512 (8)
DT	Utility
FS	GRANTED
LN.CNT	1027

INCL INCLM: 424/401.000  
 INCLS: 424/059.000; 424/701.000; 424/702.000; 424/706.000; 424/073.000  
 NCL NCLM: 424/401.000  
 NCLS: 424/059.000; 424/073.000; 424/701.000; 424/702.000; 424/706.000  
 IC [7]  
 ICM A61K007-48  
 IPCI A61K0007-48 [ICM,7]  
 IPCR A61K0008-72 [I,A]; A61K0006-00 [I,C\*]; A61K0006-00 [I,A];  
 A61K0008-30 [I,C\*]; A61K0008-34 [I,A]; A61K0008-64 [I,A];  
 A61K0008-72 [I,C\*]; A61K0008-73 [I,A]; A61Q0005-02 [I,C\*];  
 A61Q0005-02 [I,A]; A61Q0005-06 [I,C\*]; A61Q0005-06 [I,A];  
 A61Q0005-12 [I,C\*]; A61Q0005-12 [I,A]; A61Q0009-02 [I,C\*];  
 A61Q0009-02 [I,A]; A61Q0011-00 [I,C\*]; A61Q0011-00 [I,A];  
 A61Q0015-00 [I,C\*]; A61Q0015-00 [I,A]; A61Q0017-04 [I,C\*];  
 A61Q0017-04 [I,A]; A61Q0019-00 [I,C\*]; A61Q0019-00 [I,A];  
 A61Q0019-10 [I,C\*]; A61Q0019-10 [I,A]; C08B0011-00 [I,C\*];  
 C08B0011-00 [I,A]; C08B0037-00 [I,C\*]; C08B0037-00 [I,A]  
 EXF 424/401; 424/70.1; 424/59; 424/70.2; 424/70.6; 424/73; 424/70.13;  
 424/49; 424/402; 424/65; 514/944  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 4 OF 4 USPATFULL on STN

	Full Text	Citing References
AN	97:66160	USPATFULL
TI	Therapeutic-wound healing compositions and methods for preparing and using same	
IN	Martin, Alain, 31 Country Club Dr., Ringoes, NJ, United States 08551	
PI	US 5652274	19970729
AI	US 1995-445813	19950522 (8)
RLI	Continuation-in-part of Ser. No. <u>US 1994-187435</u> , filed on 27 Jan 1994, now abandoned which is a continuation of Ser. No. <u>US 1991-798392</u> , filed on 26 Nov 1991, now abandoned which is a continuation-in-part of Ser. No. <u>US 1991-663500</u> , filed on 1 Mar 1991, now abandoned	
DT	Utility	
FS	Granted	
LN.CNT	9592	
INCL	INCLM: 514/724.000 INCLS: 514/461.000; 514/562.000; 514/567.000; 514/725.000; 514/774.000; 514/784.000	
NCL	NCLM: 514/724.000 NCLS: 514/461.000; 514/562.000; 514/567.000; 514/725.000; 514/774.000; 514/784.000	
IC	[6] ICM A61K031-45 ICS A61K031-07; A61K031-34; A61K047-00 IPCI A61K0031-45 [ICM,6]; A61K0031-07 [ICS,6]; A61K0031-045 [ICS,6,C*]; A61K0031-34 [ICS,6]; A61K0047-00 [ICS,6] IPCR A61K0008-30 [I,C*]; A61K0008-36 [I,A]; A61K0008-365 [I,A]; A61K0031-185 [I,C*]; A61K0031-19 [I,A]; A61K0031-20 [I,A]; A61K0031-352 [I,C*]; A61K0031-355 [I,A]; A61K0031-375 [I,C*]; A61K0031-375 [I,A]; A61K0035-12 [I,C*]; A61K0035-12 [I,A]; A61K0045-00 [I,C*]; A61K0045-06 [I,A]; A61L0015-16 [I,C*]; A61L0015-44 [I,A]; A61L0017-00 [I,C*]; A61L0017-00 [I,A]; A61L0026-00 [I,C*]; A61L0026-00 [I,A]; A61L0027-00 [I,C*]; A61L0027-54 [I,A]; A61L0031-14 [I,C*]; A61L0031-16 [I,A]; A61Q0011-00 [I,C*]; A61Q0011-00 [I,A]; A61Q0019-00 [I,C*]; A61Q0019-00 [I,A]	
EXF	514/724; 514/725; 514/461; 514/774; 514/784; 514/562; 514/567	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

=> s (shaving strip)  
 L17 16 (SHAVING STRIP)

=> d his full

(FILE 'HOME' ENTERED AT 22:12:34 ON 26 JAN 2007)

FILE 'USPATFULL, USPAT2' ENTERED AT 22:12:44 ON 26 JAN 2007

L1 376 SEA (SHAVING SYSTEM OR SHAVING STRI)  
 L2 383 SEA (SHAVING SYSTEM OR SHAVING STRIP)  
 L3 118 SEA (SHAVING SYSTEM OR SHAVING STRIP)/CLM  
 L4 257 SEA (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)  
 L5 46 SEA (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)/CLM  
 L6 11167 SEA (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)  
 L7 2607 SEA (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)/CLM  
 L8 193327 SEA (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICAT  
 E)  
 L9 0 SEA (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICAT  
 E)  
 L10 18816 SEA (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICAT  
 E)/CLM  
 L11 10 SEA L4 AND L6 AND L8  
 L12 1 SEA L2 AND L11  
 D  
 L13 7 SEA L2 AND L8  
 D 1-7  
 L14 1 SEA L3 AND L10  
 D  
 D L13 AN TI PI KWIC 1-7  
 L15 228 SEA (SHAVING STRIP OR LUBRIC? STRIP)  
 L16 4 SEA L8 AND L15  
 D 1-4  
 L17 16 SEA (SHAVING STRIP)

FILE HOME

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 25 Jan 2007 (20070125/PD)  
 FILE LAST UPDATED: 25 Jan 2007 (20070125/ED)  
 HIGHEST GRANTED PATENT NUMBER: US2007015693  
 HIGHEST APPLICATION PUBLICATION NUMBER: US2007022507  
 CA INDEXING IS CURRENT THROUGH 25 Jan 2007 (20070125/UPCA)  
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 25 Jan 2007 (20070125/PD)  
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2006  
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2006

FILE USPAT2

FILE COVERS 2001 TO PUBLICATION DATE: 25 Jan 2007 (20070125/PD)  
 FILE LAST UPDATED: 25 Jan 2007 (20070125/ED)  
 HIGHEST GRANTED PATENT NUMBER: US2007005330  
 HIGHEST APPLICATION PUBLICATION NUMBER: US2007022505  
 CA INDEXING IS CURRENT THROUGH 23 Jan 2007 (20070123/UPCA)  
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 25 Jan 2007 (20070125/PD)  
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2006  
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2006

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